

Weekly Report

Period: 2016/6/13-2016/6/19

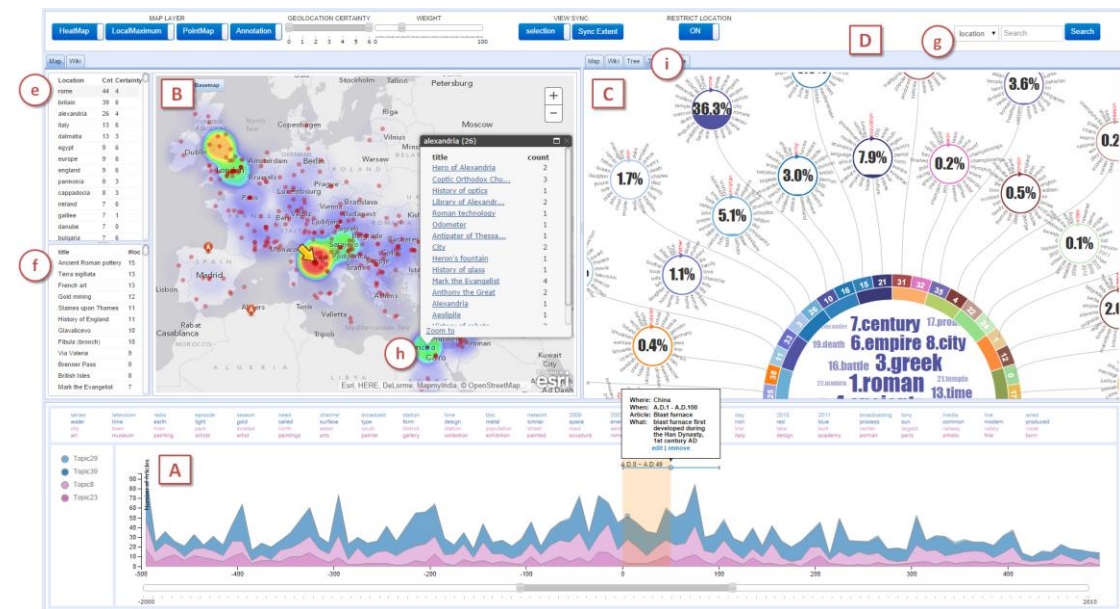
Reporter: Li Zongzhuang

Last Week

This week I write daily report every day. So I just write works I did on weekend. In Saturday, I read papers. Well, I plan to write the write my overview. But I got up lately. I came to practice our performance of our graduation party. We perform on the night. It's a nice experience.

VAiRoma: A Visual Analytics System for Making Sense of Places, Times, and Events in Roman History (from TVCG 2016 ,Author Isaac Cho and so on)

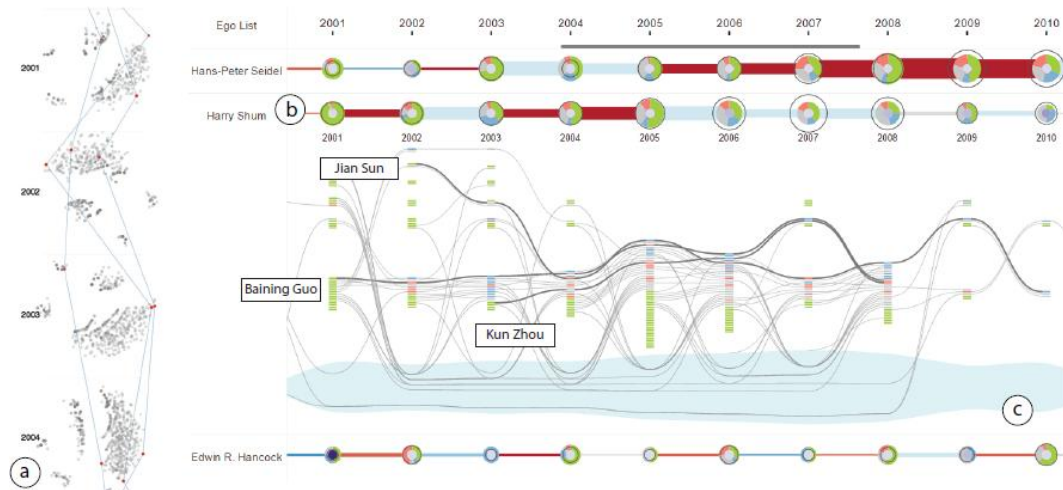
This paper proposes a visual analytics approach to construct a data driven view of Roman history based on a large collection of Wikipedia articles.



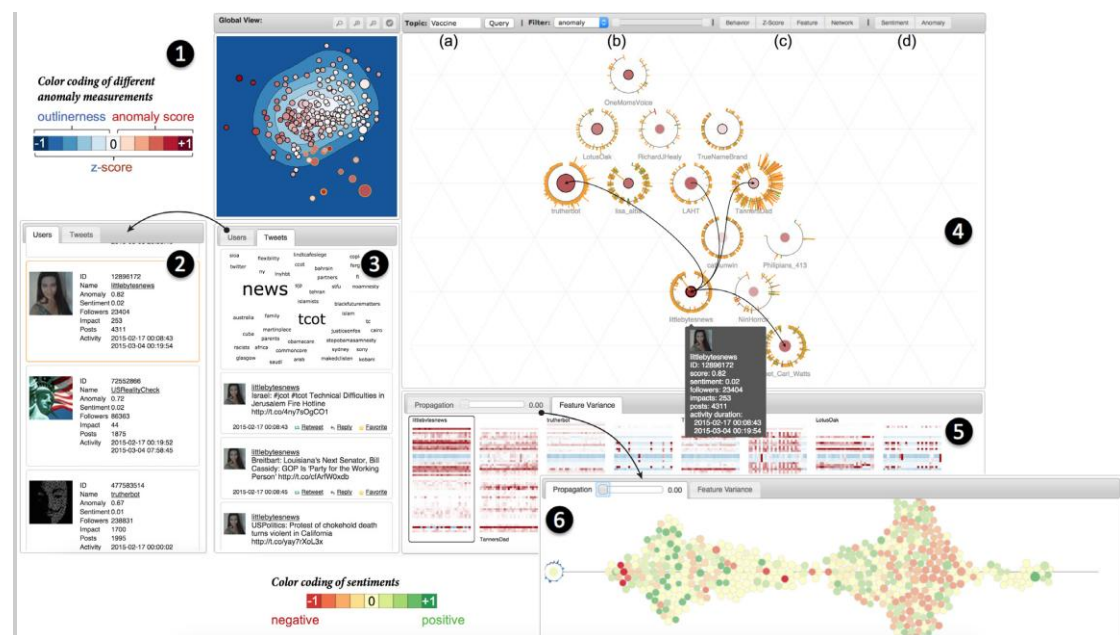
The system couples state-of-the-art text analysis methods with an intuitive visual interface to help users make sense of events, places, times, and the relationships between them. In case studies, the system can be used for deeper analysis.

egoSlider: Visual Analysis of Egocentric Network Evolution (from TVCG 2016 ,Author Yanhong Wu and so on)

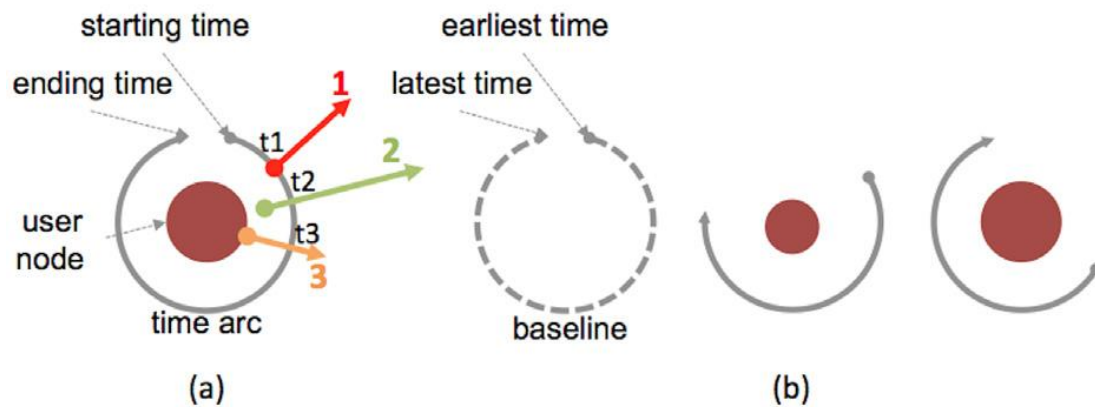
egoSlider is a visual analysis system for exploring and comparing dynamic ego-networks. It provides a holistic picture of the data through multiple interactively coordinated views, and reveal ego-network evolutionary patterns at three different layers: one for summarizing the entire ego-network data, another for overviewing specific individuals' ego-network evolutions, and the last for displaying detailed temporal information of egos and their alters. Just like the graph showed below.



TargetVue: Visual Analysis of Anomaly User Behaviors in Online Communication Systems (from TVCG 2016 ,Author Nan Cao and so on)



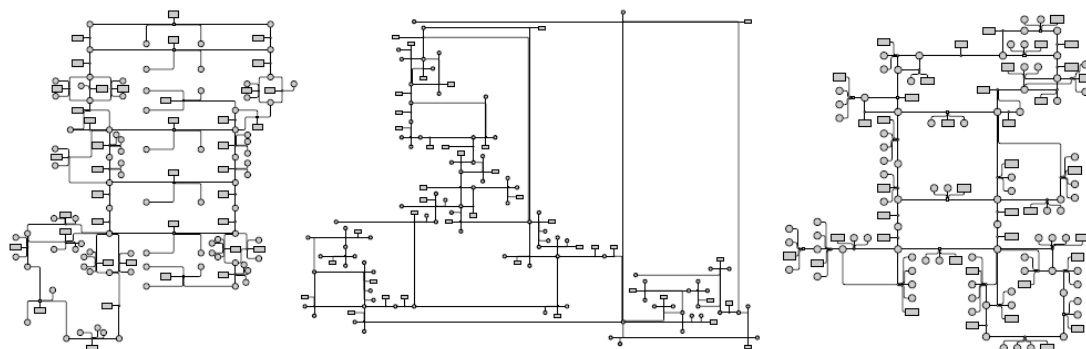
This paper proposes a novel visual analysis system, TargetVue. It provides three new ego-centric glyphs to visually summarize a user's behaviors which effectively present the user's communication activities, features, and social interactions.



This is the behavior glyph designing.

HOLA: Human-like Orthogonal Network Layout (from TVCG 2016 ,**Author** Steve Kieffer and so on)

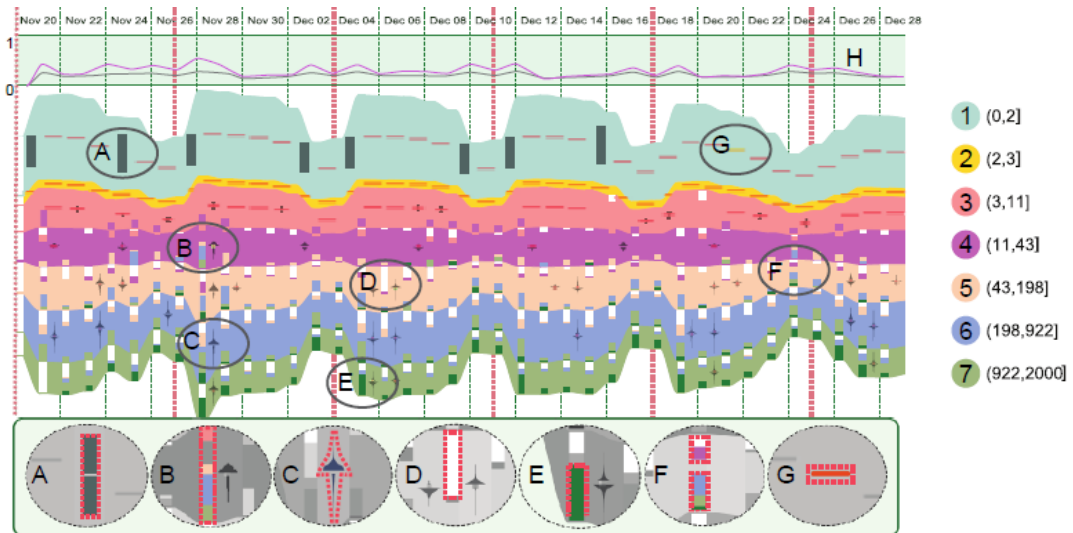
A new “human-centred” methodology for automatic network layout algorithm design is given. This paper has a novel flow. User studies are first used to identify the aesthetic criteria algorithms should encode, then an algorithm is developed using above criteria algorithms and finally, a follow-up study evaluates the algorithm output, HOLA. And they also make a user study to prove the advantage of HOLA. This graph is Human, yFiles, and HOLA layouts of SBGN Glycolysis-Glycogenesis pathway.



RankExplorer: Visualization of Ranking Changes in Large Time Series

Data(from TVCG 2012 ,**Author** Conglei Shi and so on)

RankExplorer, a novel visualization method based on ThemeRiver to reveal the ranking changes. It's method consists of four major components: 1) a segmentation method; 2) an extended ThemeRiver view; 3) a trend curve; 4) rich user interactions.



The case studies and the comparative study clearly demonstrate that the design of trend curves, color bars and changing glyphs indeed can show the changes at different levels of detail.

Next week

I will also write daily report. I didn't complete my plan of my overview which is my fault that I want to make up.